



# SEQUENCE LISTING

<110> BOUWSTRA, Jan Bastiaan  
VAN ES, Andries Johannes Jozef  
TODA, Yuza

<120> RGD-enriched gelatine-like proteins with enhanced cell binding

<130> BOUWSTRA-6

<140> US 10/550,786

<141> 2004-03-26

<150> PCT/NL04/00208

<151> 2004-03-26

<150> EP 03075906.2

<151> 2003-03-28

<160> 3

<170> PatentIn version 3.1

<210> 1

<211> 250

<212> PRT

<213> Human partial COL1A1-sequence

<400> 1

Pro Pro Gly Pro Ala Gly Pro Ala Gly Glu Arg Gly Glu Gln Gly Pro  
1 5 10 15  
q

Ala Gly Ser Pro Gly Phe Gln Gly Leu Pro Gly Pro Ala Gly Pro Pro  
20 25 30

Gly Glu Ala Gly Lys Pro Gly Glu Gln Gly Val Pro Gly Asp Leu Gly  
35 40 45

Ala Pro Gly Pro Ser Gly Ala Arg Gly Glu Arg Gly Phe Pro Gly Glu  
50 55 60

Arg Gly Val Gln Gly Pro Pro Gly Pro Ala Gly Pro Arg Gly Ala Asn  
65 70 75 80

Gly Ala Pro Gly Asn Asp Gly Ala Lys Gly Asp Ala Gly Ala Pro Gly  
85 90 95

Ala Pro Gly Ser Gln Gly Ala Pro Gly Leu Gln Gly Met Pro Gly Glu  
 100 105 110  
 Arg Gly Ala Ala Gly Leu Pro Gly Pro Lys Gly Asp Arg Gly Asp Ala  
 115 120 125  
 Gly Pro Lys Gly Ala Asp Gly Ser Pro Gly Lys Asp Gly Val Arg Gly  
 130 135 140  
 Leu Thr Gly Pro Ile Gly Pro Pro Gly Pro Ala Gly Ala Pro Gly Asp  
 145 150 155 160  
 Lys Gly Glu Ser Gly Pro Ser Gly Pro Ala Gly Pro Thr Gly Ala Arg  
 165 170 175  
 Gly Ala Pro Gly Asp Arg Gly Glu Pro Gly Pro Pro Gly Pro Ala Gly  
 180 185 190  
 Phe Ala Gly Pro Pro Gly Ala Asp Gly Gln Pro Gly Ala Lys Gly Glu  
 195 200 205  
 Pro Gly Asp Ala Gly Ala Lys Gly Asp Ala Gly Pro Pro Gly Pro Ala  
 210 215 220  
 Gly Pro Ala Gly Pro Pro Gly Pro Ile Gly Asn Val Gly Ala Pro Gly  
 225 230 235 240  
 Ala Lys Gly Ala Arg Gly Ser Ala Gly Pro  
 245 250

<210> 2

<211> 252

<212> PRT

<213> Artificial sequence

<220>

<223> Repeated partial human COL1A1-1 sequence

<400> 2

Gly Ala Pro Gly Ser Gln Gly Ala Pro Gly Leu Gln Gly Met Pro Gly  
 1 5 10 15  
 Glu Arg Gly Ala Ala Gly Leu Pro Gly Pro Lys Gly Asp Arg Gly Asp  
 20 25 30

Ala Gly Pro Lys Gly Ala Asp Gly Ser Pro Gly Lys Asp Gly Val Arg  
35 40 45

Gly Leu Thr Gly Pro Ile Gly Pro Pro Gly Pro Ala Gly Ala Pro Gly  
50 55 60

Ala Pro Gly Ser Gln Gly Ala Pro Gly Leu Gln Gly Met Pro Gly Glu  
65 70 75 80

Arg Gly Ala Ala Gly Leu Pro Gly Pro Lys Gly Asp Arg Gly Asp Ala  
85 90 95

Gly Pro Lys Gly Ala Asp Gly Ser Pro Gly Lys Asp Gly Val Arg Gly  
100 105 110

Leu Thr Gly Pro Ile Gly Pro Pro Gly Pro Ala Gly Ala Pro Gly Ala  
115 120 125

Pro Gly Ser Gln Gly Ala Pro Gly Leu Gln Gly Met Pro Gly Glu Arg  
130 135 140

Gly Ala Ala Gly Leu Pro Gly Pro Lys Gly Asp Arg Gly Asp Ala Gly  
145 150 155 160

Pro Lys Gly Ala Asp Gly Ser Pro Gly Lys Asp Gly Val Arg Gly Leu  
165 170 175

Thr Gly Pro Ile Gly Pro Pro Gly Pro Ala Gly Ala Pro Gly Ala Pro  
180 185 190

Gly Ser Gln Gly Ala Pro Gly Leu Gln Gly Met Pro Gly Glu Arg Gly  
195 200 205

Ala Ala Gly Leu Pro Gly Pro Lys Gly Asp Arg Gly Asp Ala Gly Pro  
210 215 220

Lys Gly Ala Asp Gly Ser Pro Gly Lys Asp Gly Val Arg Gly Leu Thr  
225 230 235 240

Gly Pro Ile Gly Pro Pro Gly Pro Ala Gly Ala Pro  
245 250

<210> 3

<211> 625

<212> PRT

<213> Artificial sequence

<220>

<223> Human Partial COL5A2 sequence

<400> 3

Gln Gly Pro Ile Gly Pro Pro Gly Glu Glu Gly Lys Arg Gly Pro Arg  
1 5 10 15

Gly Asp Pro Gly Thr Leu Gly Pro Pro Gly Pro Val Gly Glu Arg Gly  
20 25 30

Ala Pro Gly Asn Arg Gly Phe Pro Gly Ser Asp Gly Leu Pro Gly Pro  
35 40 45

Lys Gly Ala Gln Gly Glu Arg Gly Pro Val Gly Ser Ser Gly Pro Lys  
50 55 60

Gly Ser Gln Gly Asp Pro Gly Arg Pro Gly Glu Pro Gly Leu Pro Gly  
65 70 75 80

Ala Arg Gly Leu Thr Gly Asn Pro Gly Val Gln Gly Pro Glu Gly Lys  
85 90 95

Leu Gly Pro Leu Gly Ala Pro Gly Glu Asp Gly Arg Pro Gly Pro Pro  
100 105 110

Gly Ser Ile Gly Ile Lys Gly Gln Pro Gly Thr Met Gly Leu Pro Gly  
115 120 125

Pro Lys Gly Ser Asn Gly Asp Pro Gly Lys Pro Gly Glu Ala Gly Asn  
130 135 140

Pro Gly Val Pro Gly Gln Arg Gly Ala Pro Gly Lys Asp Gly Lys Val  
145 150 155 160

Gly Pro Tyr Gly Pro Pro Gly Pro Pro Gly Leu Arg Gly Glu Arg Gly  
165 170 175

Glu Gln Gly Pro Pro Gly Pro Thr Gly Phe Gln Gly His Pro Gly Pro  
180 185 190

Pro Gly Pro Pro Gly Glu Gly Gly Lys Pro Gly Asp Gln Gly Val Pro  
195 200 205

Gly Gly Pro Gly Ala Val Gly Pro Leu Gly Pro Arg Gly Glu Arg Gly  
210 215 220

Asn Pro Gly Glu Arg Gly Glu Pro Gly Ile Thr Gly Leu Pro Gly Glu  
225 230 235 240

Lys Gly Met Ala Gly Gly His Gly Pro Asp Gly Pro Lys Gly Ser Pro  
245 250 255

Gly Pro Ser Gly Thr Pro Gly Asp Thr Gly Pro Pro Gly Leu Gln Gly  
260 265 270

Met Pro Gly Glu Arg Gly Ile Ala Gly Thr Pro Gly Pro Lys Gly Asp  
275 280 285

Arg Gly Gly Ile Gly Glu Lys Gly Ala Glu Gly Thr Ala Gly Asn Asp  
290 295 300

Gly Ala Gly Gly Leu Pro Gly Pro Leu Gly Pro Pro Gly Pro Ala Gly  
305 310 315 320

Leu Leu Gly Glu Lys Gly Glu Pro Gly Pro Arg Gly Leu Val Gly Pro  
325 330 335

Pro Gly Ser Arg Gly Asn Pro Gly Ser Arg Gly Glu Asn Gly Pro Thr  
340 345 350

Gly Ala Val Gly Phe Ala Gly Pro Gln Gly Ser Asp Gly Gln Pro Gly  
355 360 365

Val Lys Gly Glu Pro Gly Glu Pro Gly Gln Lys Gly Asp Ala Gly Ser  
370 375 380

Pro Gly Pro Gln Gly Leu Ala Gly Ser Pro Gly Pro His Gly Pro Asn  
385 390 395 400

Gly Val Pro Gly Leu Lys Gly Gly Arg Gly Thr Gln Gly Pro Pro Gly  
405 410 415

Ala Thr Gly Phe Pro Gly Ser Ala Gly Arg Val Gly Pro Pro Gly Pro  
420 425 430

Ala Gly Ala Pro Gly Pro Ala Gly Pro Leu Gly Glu Pro Gly Lys Glu  
435 440 445

Gly Pro Pro Gly Pro Arg Gly Asp Pro Gly Ser His Gly Arg Val Gly  
450 455 460

Val Arg Gly Pro Ala Gly Pro Pro Gly Gly Pro Gly Asp Lys Gly Asp  
465 470 475 480

Pro Gly Glu Asp Gly Gln Pro Gly Pro Asp Gly Pro Pro Gly Pro Ala  
485 490 495

Gly Thr Thr Gly Gln Arg Gly Ile Val Gly Met Pro Gly Gln Arg Gly  
500 505 510

Glu Arg Gly Met Pro Gly Leu Pro Gly Pro Ala Gly Thr Pro Gly Lys  
515 520 525

Val Gly Pro Thr Gly Ala Thr Gly Asp Lys Gly Pro Pro Gly Pro Val  
530 535 540

Gly Pro Pro Gly Ser Asn Gly Pro Val Gly Glu Pro Gly Pro Glu Gly  
545 550 555 560

Pro Ala Gly Asn Asp Gly Thr Pro Gly Arg Asp Gly Ala Val Gly Glu  
565 570 575

Arg Gly Asp Arg Gly Asp Pro Gly Pro Ala Gly Leu Pro Gly Ser Gln  
580 585 590

Gly Ala Pro Gly Thr Pro Gly Pro Val Gly Ala Pro Gly Asp Ala Gly  
595 600 605

Gln Arg Gly Asp Pro Gly Ser Arg Gly Pro Ile Gly His Leu Gly Arg  
610 615 620

Ala  
625